

【ABSTRACT】

Disclosed is an extract from Korean mistletoe KM-110, which is of immunity enhancement and activity against tumor metastasis and can be used as an adjuvant material for vaccines applicable for the induction of humoral and cell-mediated immunity. Also disclosed are its ractions, a protein fraction KM-AS, a lectin fraction KML-C, lectin components KML-IIU and KML-IIL, which both are further purified from the lectin fraction KML-C, a protein KMHBP which is obtained through heparin binding chromatography eluting with NaCl from a fraction C-free AS which is a portion of the KM-AS free of KML-C, and a mixture KM of the KMHBP and the KML-C. They are revealed as to their roles in the humoral and cell-mediated immunity enhancement and antitumoral activity.

【Representative drawing】

Fig. 1

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Viscum album coloratum, lectin, immuno-enhancement